CLAIMS

I claim:

1. A method of making a tension member for use in an elevator system, comprising:

(A) arranging a plurality of wires (40) into at least one strand (42);

(B) arranging a plurality of the strands (42) into at least one cord (46);

(C) determining if there is at least one broken wire end protruding from at least one of the strands (42) or at least one of the cords (46) while performing steps (A) and (B); and

(D) manipulating the broken wire end (44, 54) to prevent the wire end from protruding.

2. The method of claim 1, wherein step (D) includes inserting the broken wire end (44, 54) into the corresponding strand (42) or cord (46).

3. The method of claim 1, wherein step (D) includes securing the broken wire end (44, 54) against an outer surface of the corresponding strand (42) or cord (44).

4. The method of claim 3, wherein step (D) includes brazing the wire end (44, 54) to a portion of at least one adjacent unbroken wire.

5. The method of claim 3, wherein step (D) includes welding the wire end (44, 54) to a portion of at least one adjacent unbroken wire.

6. The method of claim 3, wherein step (D) includes adhesively securing the broken wire end (44, 54) to a portion of at least one adjacent unbroken wire.

7. The method of claim 1, wherein step (D) includes twisting the broken wire end (44, 54) around a portion of at least one adjacent unbroken wire.

8. The method of claim 1, wherein step (D) includes cutting off a protruding portion of the wire.

9. The method of claim 1, including applying a jacket (24) over the at least one cord and performing steps (C) and (D) in association with the step of applying the jacket (24).

10. An elevator tension member assembly having a plurality of cords covered by a jacket, the tension member made by the method, comprising:

(A) arranging a plurality of wires (40) into at least one strand (42);

(B) arranging a plurality of the strands (42) into at least one cord (46);

(C) applying a jacket (24) over the at least one cord (46);

(D) determining if there is at least one broken wire end (44, 54) protruding from at least one of the strands (42) or at least one of the cords (46) while performing at least steps (A) and (B); and

(E) manipulating the broken wire end (44, 54) to prevent the wire end from protruding.

11. The tension member assembly of claim 10, wherein the method step (E) includes inserting the broken wire end (44, 54) into the corresponding strand (42) or cord (46).

12. The tension member assembly of claim 10, wherein the method step (E) includes securing the broken wire end (44, 54) against an outer surface of the corresponding strand (42) or cord (46).

13. The tension member assembly of claim 12, wherein the securing includes brazing the wire end to a portion of at least one adjacent unbroken wire.

14. The tension member assembly of claim 12, wherein the securing includes welding the wire end to a portion of at least one adjacent unbroken wire.

15. The tension member assembly of claim 12, wherein the securing includes adhesively securing the broken wire end (44, 54) to a portion of at least one adjacent unbroken wire.

16. The tension member assembly of claim 10, wherein the method step (E) includes cutting off a protruding portion of the broken wire.

17. The tension member assembly of claim 10, wherein the method step (E) includes twisting the broken wire end (44, 54) around a portion of at least one adjacent unbroken wire.

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18. The tension member assembly of claim 10, wherein the method includes performing steps (D) and (E) in association with performing step (C).